PCT

INTERNATIONAL-TYPE SEARCH REPORT

(PCT Article 15.5)

National application No. 02025526	Country or Office o	of filing Applicant's or agent's file reference PU0265-SE				
Filing date (day month year)	<u> </u>	(Earliest) Priority Date (day month year)				
27 August 2002						
Applicant						
AMERSHAM BIOSCIENCES AB			·			
Date of request for international-type se	earch	International-type search request No.				
27 August 2002		SE 02/00816				
This international-type search report he to the applicant. This international-type search report of the international type search report he to the international type search report he to the applicant.	consists of a total ofcopy of each prior art	5 sheets.				
	contains disclosure o		or amino acid sequence listing and the			
international-type search was	carried out on the ba	sis of the sequence	listing			
<u></u>	ed with the internation	• •				
fur		•	he international application,			
but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as fi						
tra	nscribed by this Auth	ority.				
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INTERNATIONAL-TYPE SEARCH REPORT

Search aquest No.	
SE()0816	

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This inter	national-type search report has not been established in respect of certain claims for the following reasons:
1.	Claims No.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims No.: 11-13 because they relate to parts of the national application that do not comply with the prescribed requirements to such an extent that no meaningful international-type search can be carried out, specifically: see next sheet
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this application, as follows:
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1 🗀	As all required additional search fees were timely paid by the applicant, this international-type
Ц	search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international-type search report covers only those claims for which fees were paid, specifically claims No.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international-type search report is restricted to the invention first mentioned in the claims, it is covered by claims No.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

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ITS No SE 01 816

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

Claims 11-13 relates to compositions comprising a first and a second polymer each having particular properties, namely, the inverse should exhibit polymer characteristics below about 60 degrees C, the second should be immiscible in the first. The claims cover all compositions having such polymers, whereas the description supporst only a limited number of compositions. It is considered impossible to compare the parameters of the claim with known compositions. These parameters are considered to render the scope of the claim unclear, see PCT art 5 and 6. A meaningful search of the whole claimed scope is impossible. The search has been limited compositions used, mainly explicitly compositions comprising ethylene oxide and propylene oxide copolymers.

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C12N 15/10
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9811140 A1 (PHAMRACIA & UPJOHN AB), 19 March 1998 (19.03.98), page 14, line 6 - line 11, claims 6,11,12	11-13,22
A		1-10,14-21
X	Journal of Chromotography, Volume 864, 1999, Josefine Persson et al, "Purification of protein and recycling of polymers in a new aqueous two-phase system using two thermoseparating polymers", pages 31-48, figure 4	11-13,22
Α		1-10,14-21

X Further documents are listed in the continuation of Box	C. See patent family annex.				
* Special categories of cited documents:	"T" later document published after the international filing date or priority				
"A" document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
"E" erlier document but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	considered novel or cannot be considered to involve an inventive step when the document is taken alone				
special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be				
"O" document referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive step when the document is combined with one or more other such documents, such combination				
"P" document published prior to the international filing date but later than	3. 1				
the priority date claimed	"&" document member of the same patent family				
Date of the actual completion of the international-type	Date of mailing of the international-type search report				
search					
10 Mar. 1 0000	1 17				
10 March 2003					
Name and mailing address of the ISA/	Authorized officer				
Swedish Patent Office					
Box 5055, S-102 42 STOCKHOLM	PATRICK ANDERSSON/BS				
Facsimile No. + 46 8 666 02 86	Telephone No. + 46 8 782 25 00				
Form PCT/ISA/201 (second sheet) (March 1993)	<u> </u>				



Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
	c. a coomicing was more appropriate, or the relevant passages	Total and to diamin 140
A	<pre>International Symposium on Separations for Biotechnology Reading: Separations for biotechnology 3, Cambridge: Royal Society of Chemistry, 1994, Folke Tjerneld et al, "Utilization of Temperature-induced Phase Separation for Purification of Biomolecules", pages 504-511</pre>	1-21
X		22
A	Biotechnology and Bioengineering, Volume 78, No. 4, 2002, S.C. Ribeiro et al, "Isolation of Plasmid DNA from Cell Lysates by Aqueous Two-Phase Systems", pages 376-384	1-22
		
		
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INTERNATIONAL TYPE SEARCH REPORT Information on the family members

30/12/02

Sear uest No. SE 02/00816

WO	9811140	A1	19/03/98	AU EP JP	4142997 0942935 2000513945	A	02/04/98 22/09/99 24/10/00
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